



# AUSTIN SHINES

**RMMA Plan  
Implementation  
Advisory Group**

March 8, 2016





# 2025 Goals



55%  
renewable  
energy



900 MW of  
savings from  
energy  
efficiency and  
demand  
response



200 MW local  
solar, 100 MW  
customer-  
sited, 10 MW  
local storage

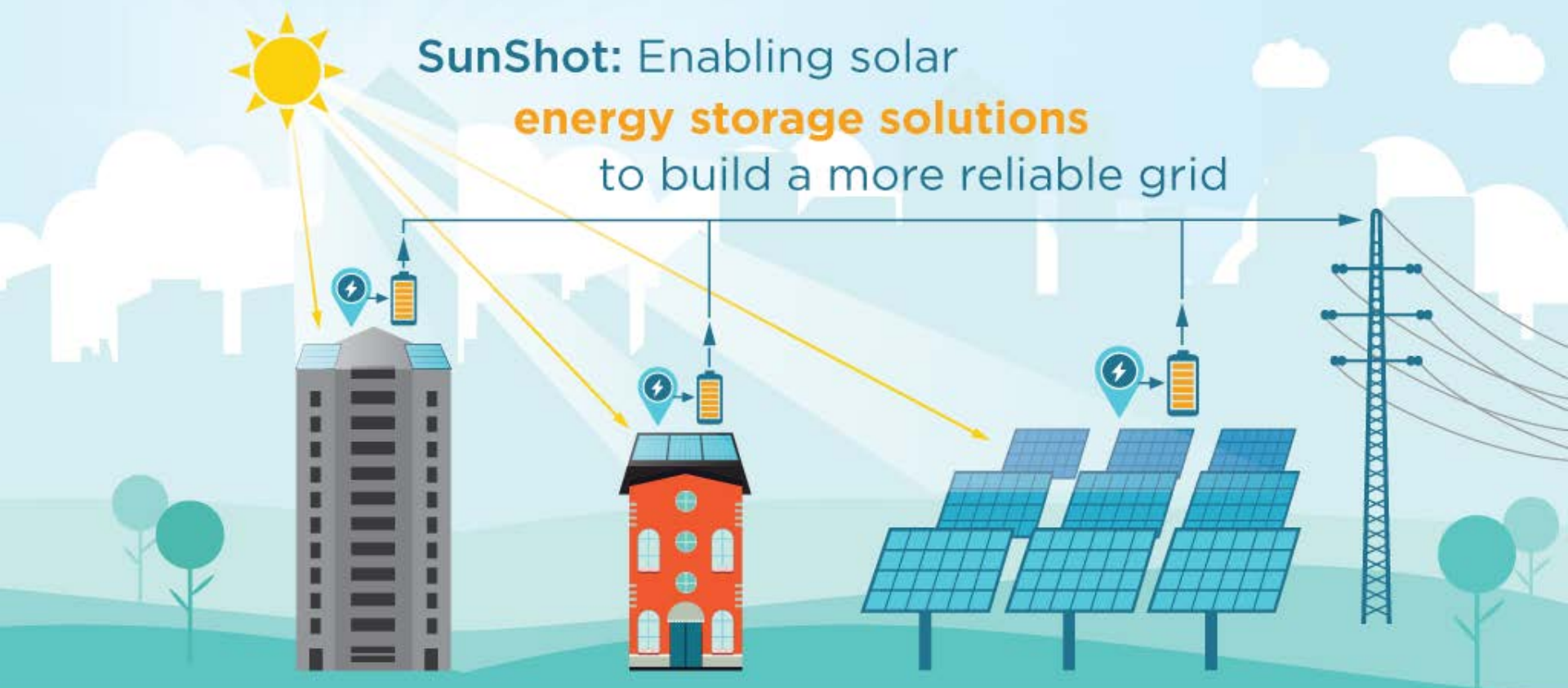


All City of  
Austin  
facilities,  
operations  
and fleet  
carbon  
neutral





# DOE SunShot & SHINES Vision



[energy.gov/sunshot](http://energy.gov/sunshot)



The projects will work to dramatically **increase solar-generated electricity** that can be dispatched at any time – day or night – to meet **consumer electricity needs** while ensuring the **reliability** of the nation's electricity grid



# Austin SHINES Partnerships



U.S. DEPARTMENT OF  
**ENERGY**



TEXAS COMMISSION  
ON ENVIRONMENTAL QUALITY



PECAN STREET



Clean Power Research®

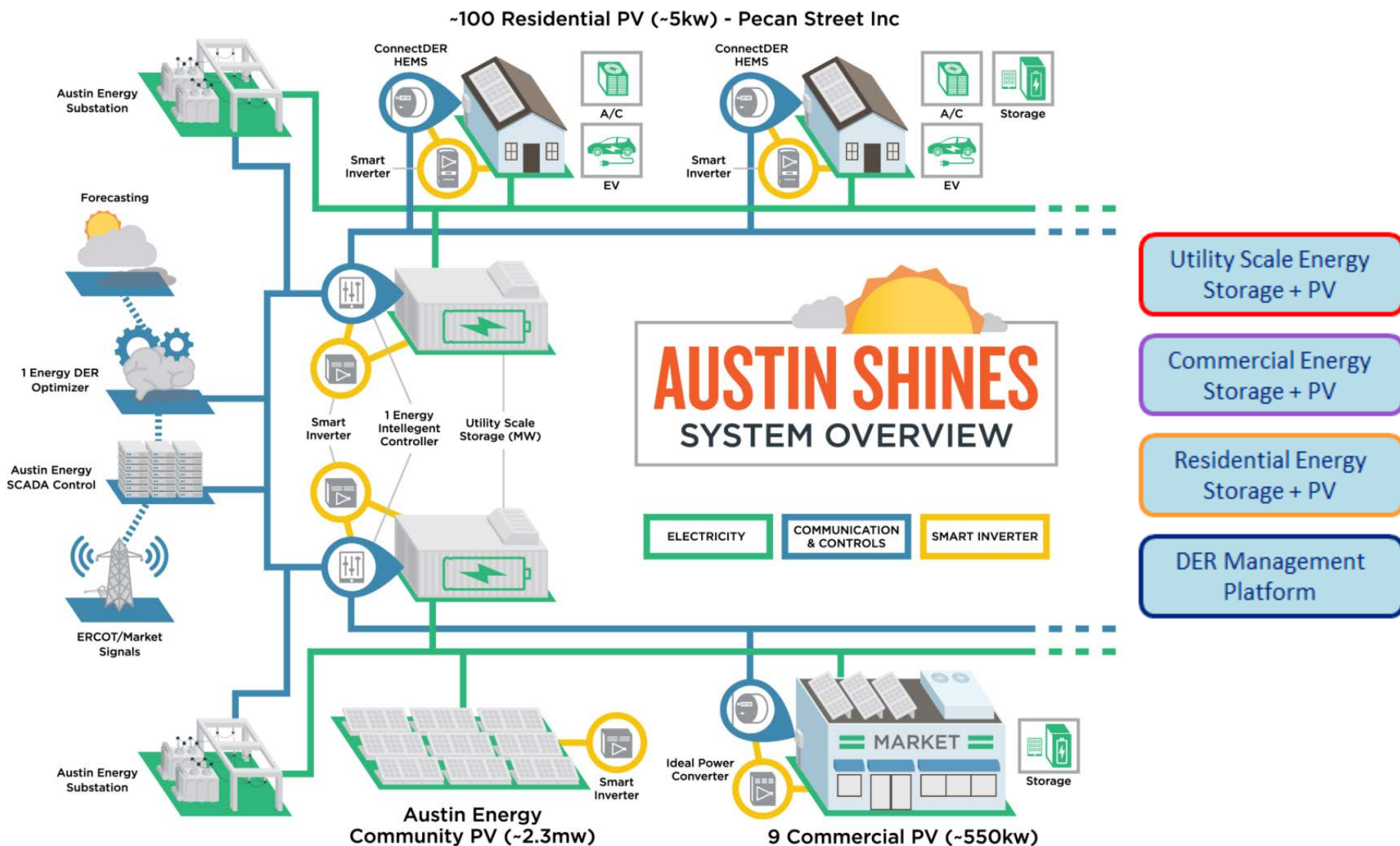


SAMSUNG SDI





# Austin SHINES System Overview





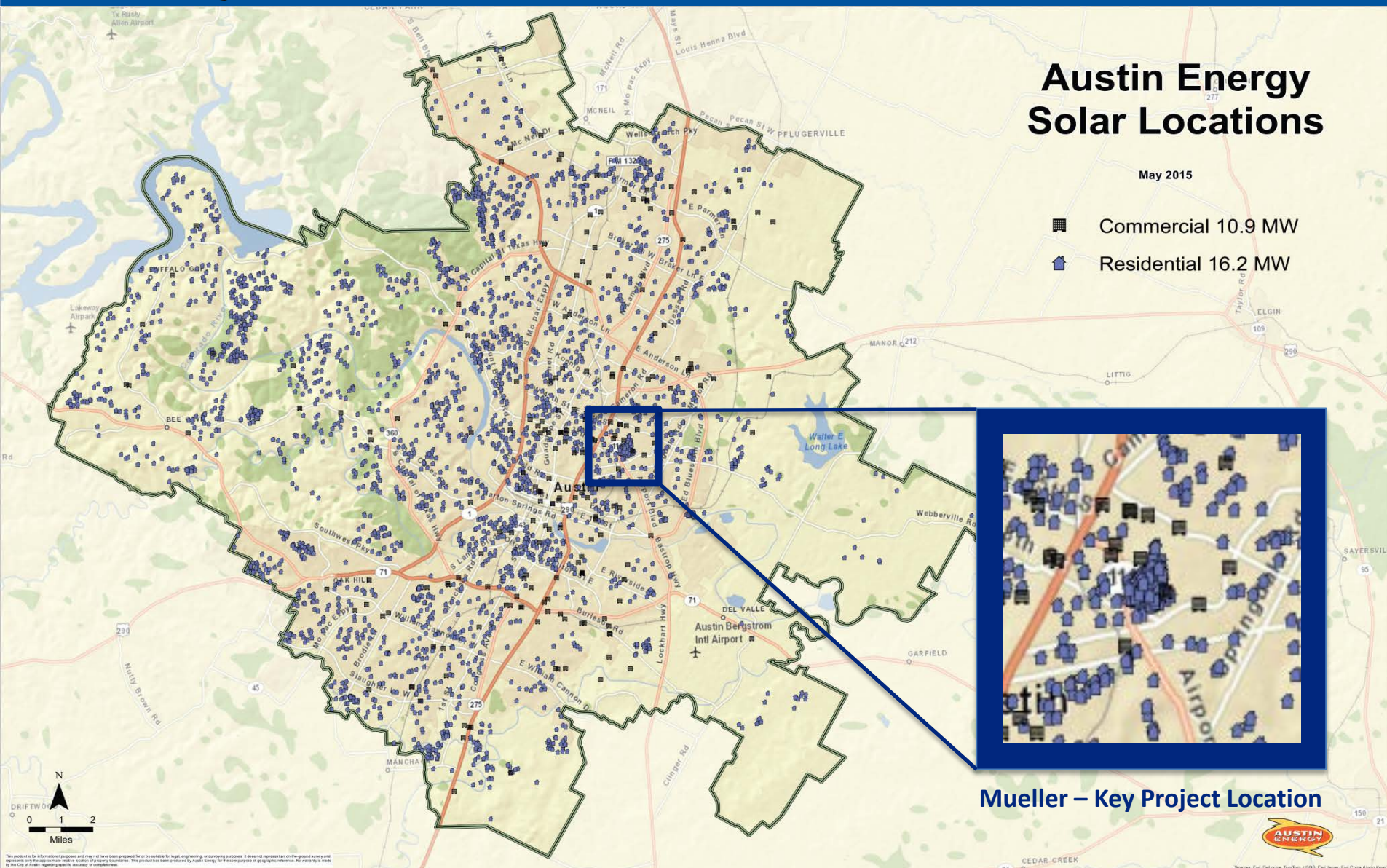


# Customer-Sited Solar

## Austin Energy Solar Locations

May 2015

- Commercial 10.9 MW
- Residential 16.2 MW



Mueller – Key Project Location







# Pecan Street



## Our Mission

- Advancing Research
- Accelerating Innovation
- Data Analysis
- Community Projects



# Pecan Street



## Initiatives

- Solar Concentration
- Electric Vehicles
- Energy Usage
- Our role in SHINES





# Next Steps

## 39-month project with three phases

- Design
- Deploy
- Demonstrate

## Criteria to identify potential sites

- Electric Requirements
- Safety, Noise and Vibration
- Space requirements/Undeveloped land

## Next Steps

- Coordinating with Mueller team, City of Austin and Catellus
- Initial Outreach
- Based on site criteria, aim to identify potential locations for battery placement
- Second round of public engagement



# Questions?

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